

Dialog level 02.11.01D

Last logoff: 12dec02 17:24:22

Logon file405 13dec02 16:38:40

? b 411

13dec02 16:38:47 User217743 Session D588.2

\$0.00 0.072 DialUnits File410

\$0.00 Estimated cost File410

\$0.01 TELNET

\$0.01 Estimated cost this search

\$0.01 Estimated total session cost 0.239 DialUnits File 411:DIALINDEX(R)

DIALINDEX(R)

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*** DIALINDEX search results display in an abbreviated *** *** format unless you enter the SET DETAIL ON command. ***

? set files biochem

>>> 162 is unauthorized

>>>1 of the specified files is not available

You have 22 files in your file list.

(To see banners, use SHOW FILES command)

? s carbonic()anhydrase()(6 or vi)

Your SELECT statement is:

s carbonic()anhydrase()(6 or vi)

Items File

```
-----
32 5: Biosis Previews(R)_1969-2002/Dec W2      24 34: SciSearch(R) Cited Ref Sci_1990-2002/Dec W3
6 50: CAB Abstracts_1972-2002/Nov
2 65: Inside Conferences_1993-2002/Dec W2      14 71: ELSEVIER BIOBASE_1994-2002/Dec W2
20 73: EMBASE_1974-2002/Dec W2
1 94: JICST-EPlus_1985-2002/Oct W1
1 98: General Sci Abs/Full-Text_1984-2002/Nov    3 143: Biol. & Agric. Index_1983-2002/Nov
8 144: Pascal_1973-2002/Dec W2
25 155: MEDLINE(R)_1966-2002/Nov W3
2 305: Analytical Abstracts_1980-2002/Dec W1    20 399: CA SEARCH(R)_1967-2002/UD=13724
1 434: SciSearch(R) Cited Ref Sci_1974-1989/Dec
14 files have one or more items; file list includes 22 files.
```

? rf

Your last SELECT statement was:

S CARBONIC()ANHYDRASE()(6 OR VI)

Ref Items File

```
---
N1 32 5: Biosis Previews(R)_1969-2002/Dec W2 N2      25 155: MEDLINE(R)_1966-2002/Nov W3
N3 24 34: SciSearch(R) Cited Ref Sci_1990-2002/Dec W3 N4      20 73: EMBASE_1974-2002/Dec W2
N5 20 399: CA SEARCH(R)_1967-2002/UD=13724
N6 14 71: ELSEVIER BIOBASE_1994-2002/Dec W2
N7 8 144: Pascal_1973-2002/Dec W2
N8 6 50: CAB Abstracts_1972-2002/Nov
N9 3 143: Biol. & Agric. Index_1983-2002/Nov N10    2 65: Inside Conferences_1993-2002/Dec W2 14
files have one or more items; file list includes 22 files.
```

- Enter P or PAGE for more -

? b n2, n1

13dec02 16:39:47 User217743 Session D588.3

\$1.84 1.051 DialUnits File411

\$1.84 Estimated cost File411

\$0.43 TELNET

\$2.27 Estimated cost this search

\$2.28 Estimated total session cost 1.290 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1966-2002/Nov W3

*File 155: For updating information please see Help News155. Alert feature enhanced with customized scheduling. See HELP ALERT. File 5:Biosis Previews(R) 1969-2002/Dec W2

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*File 5: Alert feature enhanced for multiple files, duplicates removal, customized scheduling. See HELP ALERT.

Set Items Description

? s carbonic()anhydrase()(6 or vi)

17359 CARBONIC

14655 ANHYDRASE

2750027 6

102308 VI

S1 57 CARBONIC()ANHYDRASE()(6 OR VI)

? s s1 and py>2000

57 S1

1894373 PY>2000

S2 7 S1 AND PY>2000

? s s1 not s2

57 S1

7 S2

S3 50 S1 NOT S2

? rd

...examined 50 records (50)

...completed examining records

S4 31 RD (unique items)

? s s4 and (fsh or follicle()stimulating()hormone or follitrop?in) 31 S4

46887 FSH

71773 FOLLICLE

190040 STIMULATING

615334 HORMONE

41424 FOLLICLE(W)STIMULATING(W)HORMONE

7 FOLLITROP?IN

S5 0 S4 AND (FSH OR FOLLICLE()STIMULATING()HORMONE OR

FOLLITROP?IN)

? t s4/3,ab/all

4/3,AB/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

10991017 20568328 PMID: 11001942

Molecular cloning and characterization of GalNAc 4-sulfotransferase expressed in human pituitary gland.

Okuda T; Mita S; Yamauchi S; Fukuta M; Nakano H; Sawada T; Habuchi O Department of Life Science, Department of Chemistry, Aichi University of Education, Kariya, Aichi 448-8542, Japan.

Journal of biological chemistry (UNITED STATES) Dec 22 2000, 275 (51) p40605-13, ISSN 0021-9258 Journal Code: 2985121R

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

We have previously cloned chondroitin-4-sulfotransferase (C4ST) cDNA from mouse brain. In this paper, we report cloning and characterization of GalNAc 4-sulfotransferase (GalNAc4ST), which transfers sulfate to position 4 of the nonreducing terminal GalNAc residue. The obtained cDNA contains a single open reading frame that predicts a type II transmembrane protein composed of 424 amino acid residues. Identity of the amino acid sequence between GalNAc4ST and human C4ST was 30%. When the cDNA was transfected in COS-7 cells, sulfotransferase activity toward *carbonic*

4/3,AB/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10527334 20036316 PMID: 10567219

Structure of the *carbonic* *anhydrase* *VI* (CA6) gene: evidence for two distinct groups within the alpha-CA gene family. Jiang W; Gupta D

Department of Biochemistry, The Pennsylvania State University College of Medicine, Hershey, PA 17033, USA.
weipingj@rndsyste.ms.com

Biochemical journal (ENGLAND) Dec 1 1999, 344 Pt 2 p385-90, ISSN 0264-6021 Journal Code: 2984726R

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

The secreted carbonic anhydrase (CA VI) is believed to be one of the oldest mammalian CAs in evolutionary terms. To elucidate its gene structure and compare it with other members of the alpha-CA family, we cloned genomic fragments encoding the bovine CA6 gene and determined its exon/intron organization. The gene spans approx. 25 kb and consists of eight exons and seven introns. Exon 1 encodes the 5' untranslated region, the signal peptide and the N-terminus of the mature enzyme. Exon 8 encodes the 3' untranslated region and the C-terminal extension that is unique to CA VI. Exons 2-7 encode the CA domain, which shows significant sequence similarity to other CAs. Two distinct groups exist in the alpha-CA family on the basis of a comparison of the known gene structures. One group consists of the cytoplasmic (CA I, II, III and VII) and mitochondrial (CA V) members. The other group consists of the membrane-bound (CA IV and IX) and secreted (CA VI) members. In particular, the seven exon/intron boundaries in the CA domain of the CA6 gene are conserved in the CA9 gene, which encodes the multidomain protein CA IX that is overexpressed in tumours and has transforming potential.

4/3,AB/25 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
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11504644 BIOSIS NO.: 199800285976

Carbonic anhydrase IV and VI mRNA expression in human pancreas. AUTHOR: Nishimori I(a); Fujikawa-Adachi K(a); Sakamoto S(a); Morita M(a); Onishi S(a); Yonezawa S; Hollingsworth M A

AUTHOR ADDRESS: (a)First Dep. Internal Med., Kochi Med. Sch., Kochi 783** Japan

JOURNAL: Gastroenterology 114 (4 PART 2):pA486 April 15, 1998 CONFERENCE/MEETING: Digestive Disease Week and the 99th Annual Meeting of the American Gastroenterological Association New Orleans, Louisiana, USA May 16-22, 1998

SPONSOR: American Gastroenterological Association

ISSN: 0016-5085

RECORD TYPE: Citation

LANGUAGE: English

1998